In the Claims

1. (Currently Amended) A resource management method for managing resources in a label switching network, comprising:

retaining session data about ~~a~~ bandwidth ~~of an on-reservation~~ ensured by reserved sessions ~~session~~ and ~~a~~ bandwidth ~~of~~ occupied by an on-communication session; and

executing periodical re-allocation ~~re-setting~~ of ~~a~~ each path employed by each of the reserved sessions with respect to the bandwidth ~~occupied~~ ensured by the ~~on-reservation session~~reserved sessions based on the retained session data.

2. (Currently Amended) The ~~A~~ resource management method in a label switching network according to claim 1, further comprising:

recording a failure count, for a fixed period, of a link causing a failure in a reservation request in a previous period; and

fluctuating a weight of the link that tends to cause the failure ~~on the basis of~~ based on a history of the failure count.

3. (Currently Amended) The~~A~~ resource management method in a label switching network according to claim 1, further comprising fluctuating a ~~re-setting~~re-allocating period of the path in accordance with the reservation request failure count.

4. (Currently Amended) A reservation path optimization system for optimizing a reservation path between specified nodes configuring a network, comprising:

a reservation ~~path~~ setting module for setting ~~the~~ reservation ~~path~~ paths and ~~a~~ bandwidth for establishing ~~a predetermined session~~ sessions between specified nodes; and

a reservation path ~~re-setting~~ re-allocating module for periodically ~~re-setting~~ re-allocating each of the reservation ~~path~~ paths for establishing each of reserved sessions set by said reservation setting module ~~on the basis of~~ based on the bandwidth for establishing the reserved sessions set by said reservation ~~path~~ setting module.

5. (Currently Amended) A reservation path optimization system for optimizing a reservation path between specified nodes configuring a label switching network, comprising:

a reservation ~~path~~ setting module for setting ~~the~~ reservation ~~path~~ paths and ~~a~~ bandwidth for establishing ~~a predetermined session~~ sessions between specified nodes; and

a reservation path ~~re-setting~~ re-allocating module for ~~re-setting~~ periodically re-allocating each of the reservation ~~path~~ paths for establishing each of reserved sessions set by the reservation setting module based on the bandwidth for establishing the reserved session set by said reservation ~~path~~ setting module.

6. (Cancelled)

7. (Currently Amended) ~~A~~ The reservation path optimization system according to claim 5, the reservation path ~~re-setting~~ re-allocating module periodically ~~re-sets~~ re-allocates each of the reservation ~~path~~ paths based on a ~~the basis of~~ specified algorithm

8. (Currently Amended) ~~A~~ The reservation path optimization system according to claim 4, further comprising a module for fluctuating the period.

9. (Currently Amended) The A reservation path optimization system according to claim 4, wherein the label switching network is an MPLS network, and the reservation ~~path is~~paths are Label Switched ~~Path~~Paths.

10. (Currently Amended) A reservation path optimization method for optimizing a reservation path between specified nodes configuring a network, comprising:

a reservation setting step of setting ~~the~~ reservation ~~path~~ paths and ~~a~~ bandwidth for establishing ~~a predetermined session~~ sessions between specified nodes; and

a re-allocating step of periodically ~~re-setting~~ re-allocating each of the reservation ~~path~~ paths for establishing the reserved sessions set by the reservation setting step ~~on the basis of~~ based on the bandwidth for establishing the reserved sessions set by ~~said reservation path setting~~the reservation setting step.